

NetViewer & CMS Support in IE

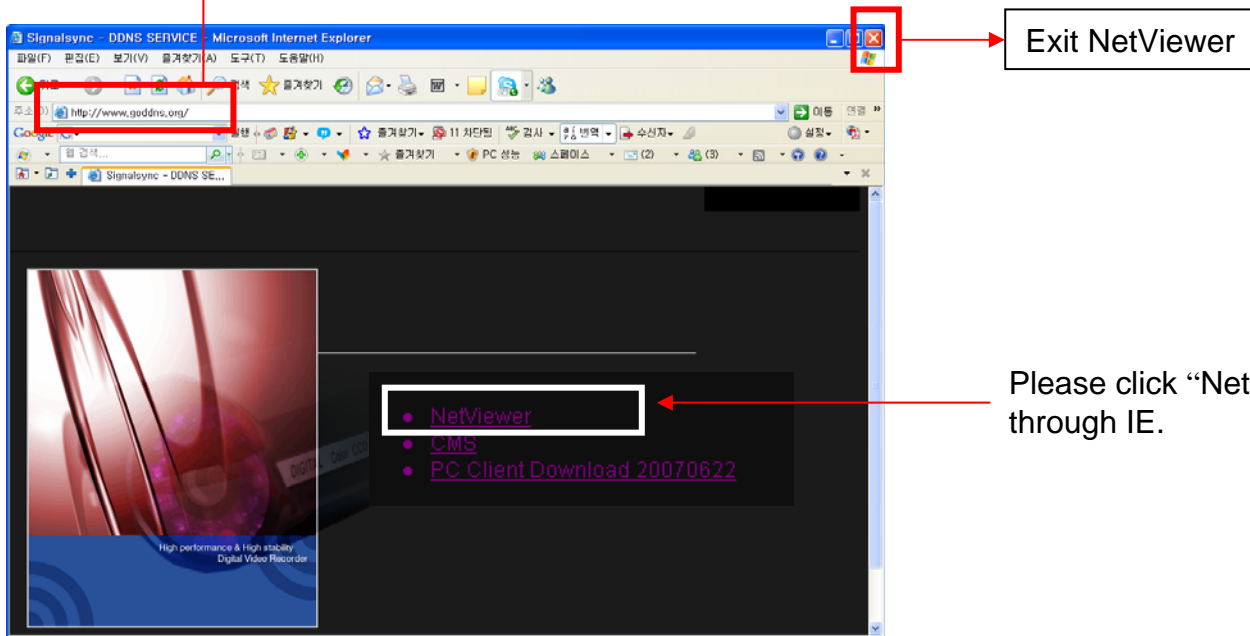
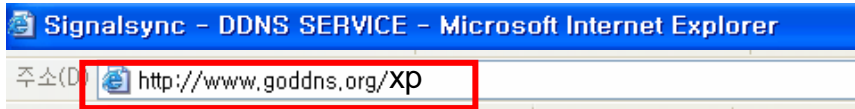
(Model: 8CH, 16CH MPEG-4 DVR)

- 1. NetViewer in IE** (<http://www.goddns.org/xp>)
- 2. CMS in IE** (<http://www.goddns.org/xp>)

* **IE** stands for **Internet Explorer**.

1. NetViewer in IE: remote viewing in IE

1. Please write <http://www.goddns.org/xp> in Internet explorer for remote viewer.

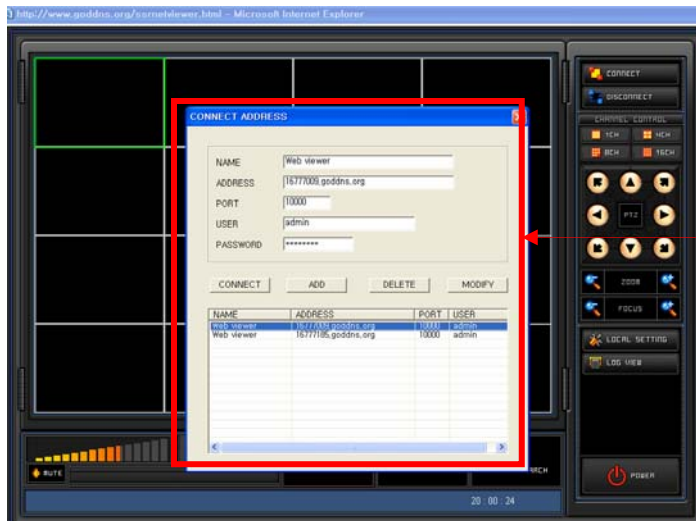


Please click "NetViewer" for remote viewing through IE.

Remote viewing Start of NetViewer in IE



Please click "CONNECT" for remote viewing via IE.



"CONNECT ADDRESS" registration.

CONNECT ADDRESS Registration of NetViewer in IE

< An Example of CONNECT ADDRESS Registration >

- 1) **NAME:** Any name can be input. **Ex, Web viewer.**
- 2) **ADDRESS:** **16777009.goddns.org** (demo DVR IP address)
Your DVR IP address can be used.
- 3) **PORT: 10000**
(Port should be opened from 10000 to 10020.)
Now this port number is fixed as **10000**.
But it can be adjustable with other port number soon.
- 4) **USER: admin**
- 5) **PASSWORD: 11111111 (eight one)**

If all information is registered properly, “**ADD**” should be clicked to save the registration information.

If the registration of other DVR which has different IP address is needed, different NAME, ADDRESS and so on can be registered with same way.

In order to select viewing site, first click the one of “**registered CONNECT ADDRESS**” with mouse.
And then please click “**CONNECT**”.

Registered viewing site can be deleted as clicking “**DELETE**”, or can be modified as clicking “**MODIFY**” after modifying it.

NAME	ADDRESS	PORT	USER
Web viewer	16777009.goddns.org	10000	admin
Web viewer	16777185.goddns.org	10000	admin

“Registered CONNECT ADDRESS”

NetViewer Main GUI in IE

< Main GUI and live picture display in IE viewer >

The screenshot shows the NetViewer Main GUI in Internet Explorer. The interface is divided into several sections:

- Top Left:** A grid of 16 channels (CH 1 to CH 16) displaying live video feeds. Each channel shows a timestamp of 2007-06-22 20:13:21.
- Top Right:** A control panel with buttons for CONNECT, DISCONNECT, and CHANNEL CONTROL. The CHANNEL CONTROL section includes buttons for 1CH, 4CH, 8CH, and 16CH.
- Middle Right:** PTZ camera control buttons (PAN, TILT, ZOOM, FOCUS) and a PTZ button.
- Bottom Right:** LOCAL SETTING and LOG VIEW buttons.
- Bottom Left:** A row of buttons: MUTE, MIC-ON, RECORD, CAPTURE, and REMOTE SEARCH.
- Bottom Center:** A status bar showing "Connect Success" and the time "20:13:32".

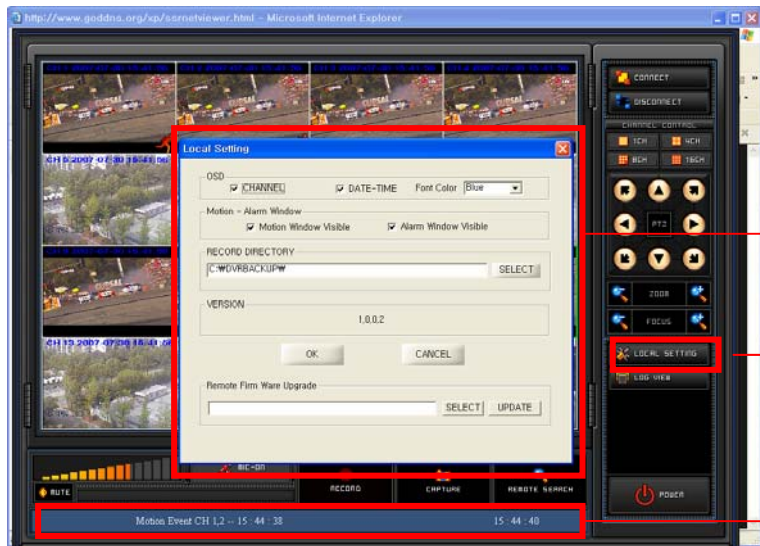
Callouts point to the following features:

- Exit NetViewer in IE.** (points to the window's close button)
- Display Channel Selection**
If single channel which has audio is selected, user can hear the audio.
- PTZ camera Control.**
(PAN/ TILT/ ZOOM/ FOCUS)
- Local Setting**
- Log Data View**
(Data path is C:\DVRBACKUP\
EventLog\20070606
\20070606184010.log)
- Exit NetViewer in IE.** (points to the window's close button)
- Volume Control**
- Local Save**
- Playback and Download**
- Two way Audio communication**
- Capture and Print**

* In order to listen to audio, single channel with audio should be selected.

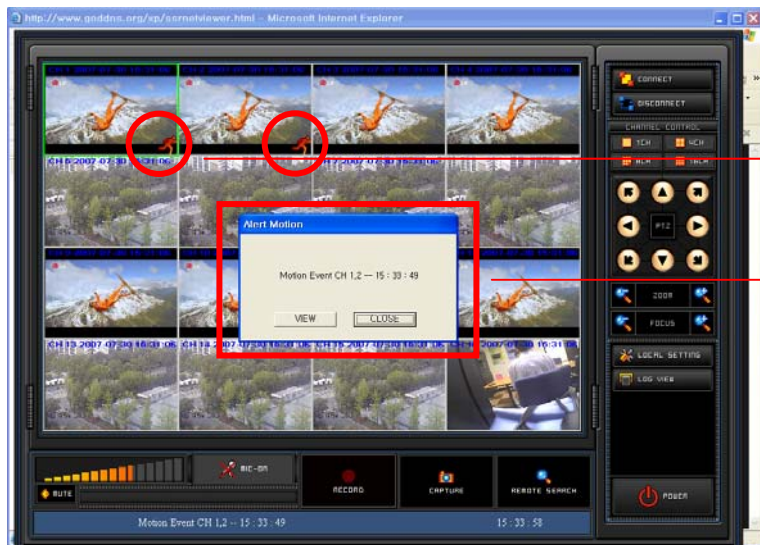
NetViewer Local setting and Log View in IE

< Local Setting >



< Local Setting: Please click "A" >

1. OSD On /OFF setting: Channel, Date/ Time OSD, OSD color
2. Motion-Alarm Window:
If Motion Window Visible or Alarm Window Visible is selected and if motion is detected or alarm is triggered in any channel of remote DVR, notification window will be pop-up with sound.
If Motion Window Visible or Alarm Window Visible isn't selected, there is no pop-up with no sound. But motion or alarm information will be displayed in information window "B".
3. Local Record Directory:
Default is C:\DVRBACKUP\
4. Version Display
5. Remote Firmware Upgrade

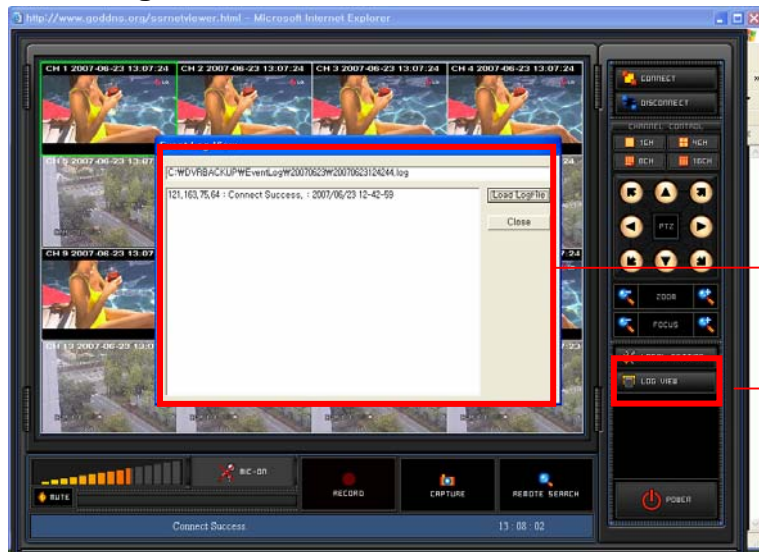


Remote motion or alarm notification mark

POP-UP window for remote motion or alarm notification

Log View & Remote Search in IE NetViewer

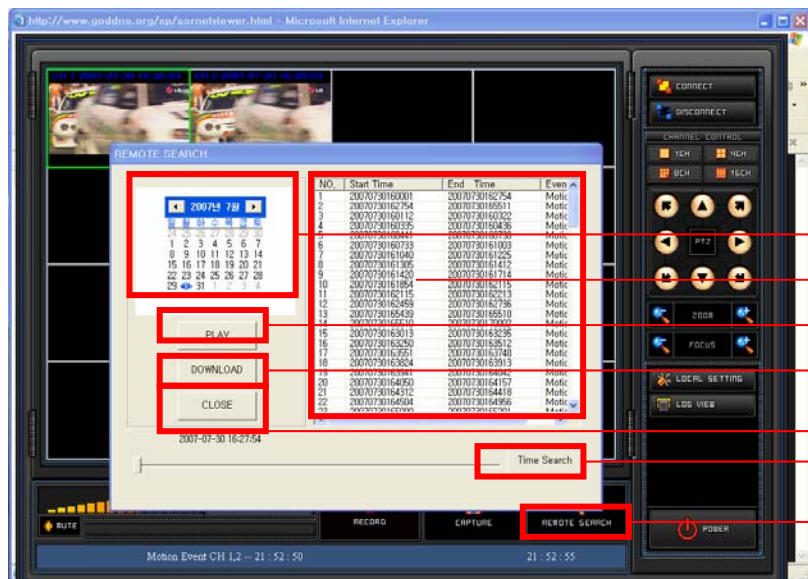
< Log View >



< Log View : Please click "B" >

Data path is **C:\DVRBACKUP\ EventLog\ 20070606 \20070606184010.log**

< Remote Search >



< Remote Search : Please click **C** >

First, select the year/ month/ date in calendar **1** .

Second, click one of listed files of **2** for playback or download.

Then click "PLAY" **3** for playback or click "DOWNLOAD" **4** for file download using FTP.

In order to stop "PLAY" or "DOWNLOAD", **5** can be clicked.

* In order to move specific time much faster within selected file, **6** with time slide bar can be used.

CAPTURE/ SAVE Etc. in IE NetViewer

< CAPTURE, SAVE, Microphone ON and Volume Control >



Save Print

Still picture saving and Print function

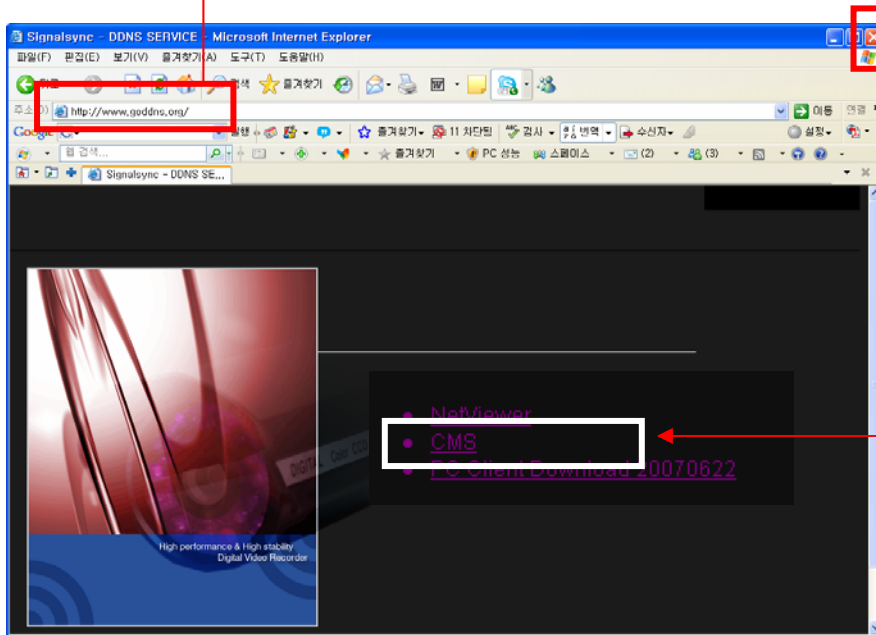
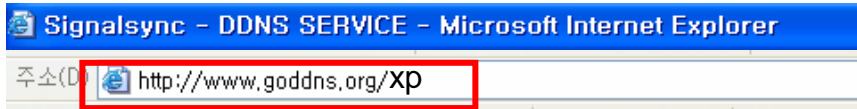
Live or playback data can be stored in local PC. Default directory is C:\DVRBACKUP\.
It can be changed in "Local Setting".

For two way communication, microphone and speaker should be prepared both in PC and in DVR.

Volume Control. * In order to listen to audio, single channel with audio should be selected.

2. CMS (Center Monitoring Software) in IE

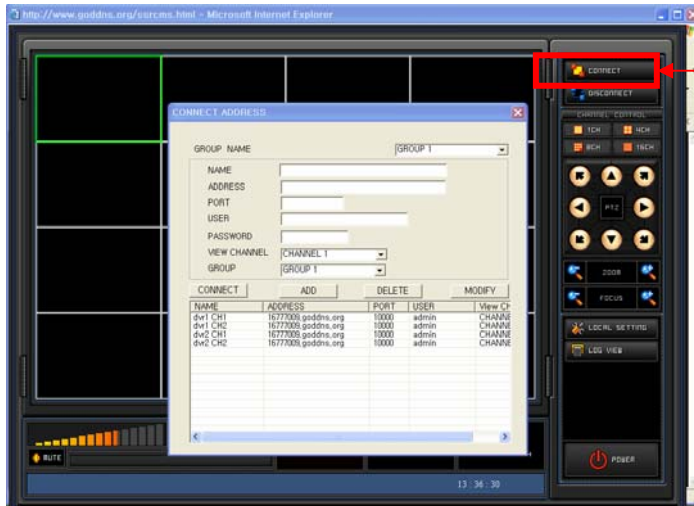
1. Please write <http://www.goddns.org/xp> in Internet explorer for remote viewer.



Exit NetViewer in IE.

Please click "CMS" for multi site DVR viewing at the same time through IE.

Connect Address Setting of CMS in IE



Please click “CONNECT” for CMS demo site accessing.

CMS Network Connection

CMS network connection consists of total “**16 GROUP**”. Each **GROUP** have Max “**16 viewing channel**” . Each viewing channel can have different IP address.

It means that each viewing channel can be allocated to different 16ch DVR with different IP address.

In order to move other Group in 16 GROUP, “**CONNECT**” icon with **selection of corresponding GROUP** can be pressed again after “**DISCONNECT**” icon pressing.

For example of GROUP editing for viewing channel,
(Suppose there are 4 sixteen CH DVR which have different IP address. Each sixteen CH DVR have sixteen CH picture.)

CMS IP setting Example in IE

Four viewing pictures of each sixteen CH DVR can be assigned like this;

< **GROUP 1** display >

CH1 to CH4 of **DVR1** -> **CH1 to CH4** display position for "GROUP 1" display.

CH1 to CH4 of **DVR2** -> **CH5 to CH8** display position for "GROUP 1" display.

CH1 to CH4 of **DVR3** -> **CH9 to CH12** display position for "GROUP 1" display.

CH1 to CH4 of **DVR4** -> **CH13 to CH16** display position for "GROUP 1" display.

< **GROUP 2** display >

CH5 to CH8 of **DVR1** -> **CH1 to CH4** display position for "GROUP 2" display.

CH5 to CH8 of **DVR2** -> **CH5 to CH8** display position for "GROUP 2" display.

CH5 to CH8 of **DVR3** -> **CH9 to CH12** display position for "GROUP 2" display.

CH5 to CH8 of **DVR4** -> **CH13 to CH16** display position for "GROUP 2" display.

< **GROUP 3** display >

CH9 to CH12 of **DVR1** -> **CH1 to CH4** display position for "GROUP 3" display.

CH9 to CH12 of **DVR2** -> **CH5 to CH8** display position for "GROUP 3" display.

CH9 to CH12 of **DVR3** -> **CH9 to CH12** display position for "GROUP 3" display.

CH9 to CH12 of **DVR4** -> **CH13 to CH16** display position for "GROUP 3" display.

< **GROUP 4** display >

CH13 to CH16 of **DVR1** -> **CH1 to CH4** display position for "GROUP 4" display.

CH13 to CH16 of **DVR2** -> **CH5 to CH8** display position for "GROUP 4" display.

CH13 to CH16 of **DVR3** -> **CH9 to CH12** display position for "GROUP 4" display.

CH13 to CH16 of **DVR4** -> **CH13 to CH16** display position for "GROUP 4" display.

CMS IP setting Example in IE

< GROUP 1 display picture setting example >

The screenshot displays the CMS IP interface for GROUP 1. The main display area is a 4x4 grid of channels:

CH1 of DVR 1	CH2 of DVR 1	CH3 of DVR 1	CH4 of DVR 1
CH1 of DVR 2	CH2 of DVR 2	CH3 of DVR 2	CH4 of DVR 2
CH1 of DVR 3	CH2 of DVR 3	CH3 of DVR 3	CH4 of DVR 3
CH1 of DVR 4	CH2 of DVR 4	CH3 of DVR 4	CH4 of DVR 4

Below the grid is a control panel with a volume bar, MUTE, MIC-ON, RECORD, CAPTURE, and REMOTE SEARCH buttons. The status bar shows "Connect Success." and the time "10 : 46 : 14". The interface is labeled "GROUP 1" and "DORON TECHNOLOG".

< GROUP 4 display picture setting example >

The screenshot displays the CMS IP interface for GROUP 4. The main display area is a 4x4 grid of channels:

CH13 of DVR 1	CH14 of DVR 1	CH15 of DVR 1	CH16 of DVR 1
CH13 of DVR 2	CH14 of DVR 2	CH15 of DVR 2	CH16 of DVR 2
CH13 of DVR 3	CH14 of DVR 3	CH15 of DVR 3	CH16 of DVR 3
CH13 of DVR 4	CH14 of DVR 4	CH15 of DVR 4	CH16 of DVR 4

Below the grid is a control panel with a volume bar, MUTE, MIC-ON, RECORD, CAPTURE, and REMOTE SEARCH buttons. The status bar shows "Connect Success." and the time "10 : 46 : 14". The interface is labeled "GROUP 4" and "DORON TECHNOLOG".

CMS IP setting Example in IE

< Editing example for GROUP 1 display picture setting >

CONNECT ADDRESS

GROUP NAME: **GROUP 1**

NAME: **DVR1**

ADDRESS: **DVR1 IP address**

PORT: **10000**

USER: **ADMIN**

PASSWORD: *********

VIEW CHANNEL: **CH1**

GROUP: **GROUP 1**

CONNECT ADD DELETE MODIFY

NAME	ADDRESS	PORT	USER	View CH
DVR1	DVR1 IP address	10000	ADMIN	CH1
DVR1	DVR1 IP address	10000	ADMIN	CH4
DVR2	DVR2 IP address	10000	ADMIN	CH5
DVR2	DVR2 IP address	10000	ADMIN	CH8
DVR3	DVR3 IP address	10000	ADMIN	CH9
DVR3	DVR3 IP address	10000	ADMIN	CH11
DVR4	DVR4 IP address	10000	ADMIN	CH13
DVR4	DVR4 IP address	10000	ADMIN	CH16

CONNECT DISCONNECT

CHANNEL CONTROL

1CH 4CH

8CH 16CH

PTZ

ZOOM FOCUS

LOCAL SETTING

LOG VIEW

POWER

CMS IP setting Example in IE

When this “CONNECT” icon, ① is clicked, below “CONNECT ADDRESS” window will be appeared.

“CONNECT ADDRESS”

①

“CONNECT”

“ADD”

“DELETE”

“MODIFY”

Registered CONNECT ADDRESS

NAME	ADDRESS	PORT	USER	View CH
TEST1	16777185.goddns.org	10000	admin	CHANNEL 11
TEST2	16777185.goddns.org	10000	admin	CHANNEL 12
TEST3	16777185.goddns.org	10000	admin	CHANNEL 13
TEST4	16777185.goddns.org	10000	admin	CHANNEL 15

< How to use ”CONNECT, ADD, DELETE and MODIFY” in “CONNECT ADDRESS” >

A) How to add “CONNECT ADDRESS” (“ADD”)

- **NAME:** Any name (DVR nickname)
- **ADDRESS:** The IP address of DVR which want to access can be written in “ADDRESS”.
This IP address can be confirmed in “IP address of NETWORK menu” in DVR.
- **PORT** number: default is “10000”. (It is different according to network environment.)
(Port should be opened from 10000 to 10020.) But it can be adjustable with other port number soon.
- **USER** is assigned as “admin” initially.
- **PASSWORD:** The “password of DVR” which want to access should be input here.
The requested password is same as the DVR password. (Default is “11111111”, eight one)

CMS IP setting Example in IE

If **“ADD”** is clicked after filling all the parameter, new “CONNECT ADDRESS” will be registered in address list. One of easier way to add “CONNECT ADDRESS” is to click “ADD” after modification of “CONNECT ADDRESS” using **“MODIFY”**.

B) How to delete “CONNECT ADDRESS” (**“DELETE”**)

First, select one of listed “registered CONNECT ADDRESS” which want to remove and then click “DELETE” to remove it.

C) How to modify “CONNECT ADDRESS”

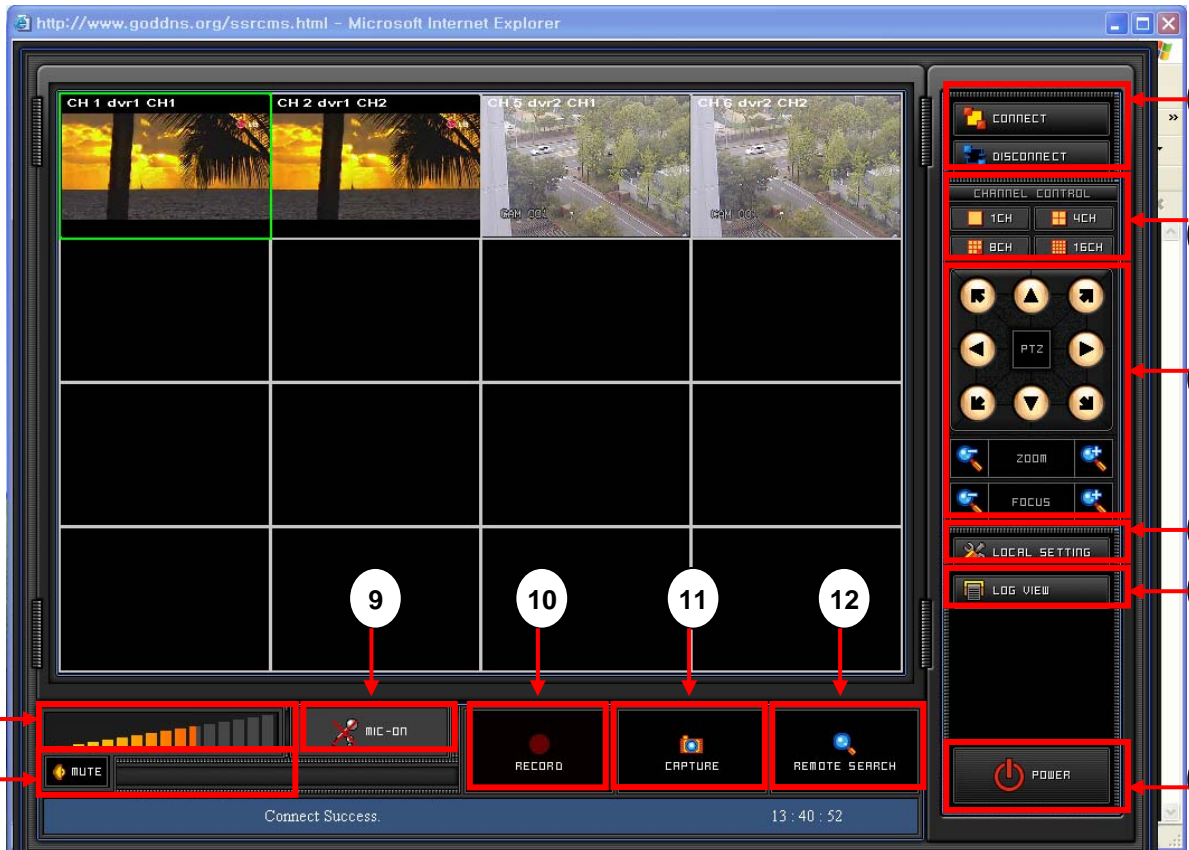
First, select one of listed “registered CONNECT ADDRESS” which want to modify and modify one of NAME, ADDRESS usually. **Then click “MODIFY”** to modify it.

< How to connect network. >

Select one of listed “registered CONNECT ADDRESS” which want to connect.

If network connection is succeeded, below initial “CMS Software” will be appeared in PC with message “ Connect Success” in bottom of CMS software GUI.

CMS (Center Monitoring Software) main GUI in IE



NOTE:

Most of functions like No. 4 Local setting, No. 5 Log view and so on is same as NetViewer. Please confer the explanation of NetViewer for details.

No.	Icon Description	No.	Icon Description
1	Network Connection and Disconnection	7	Audio Volume Control
2	Display Channel Selection	8	Audio Mute ON/ OFF
3	PTZ control	9	Microphone ON/OFF for two way audio communication.
4	Local Setting	10	Recording in local PC.
5	Log View	11	Capture (picture printing and saving.)
6	Program Exit	12	Remote Searching